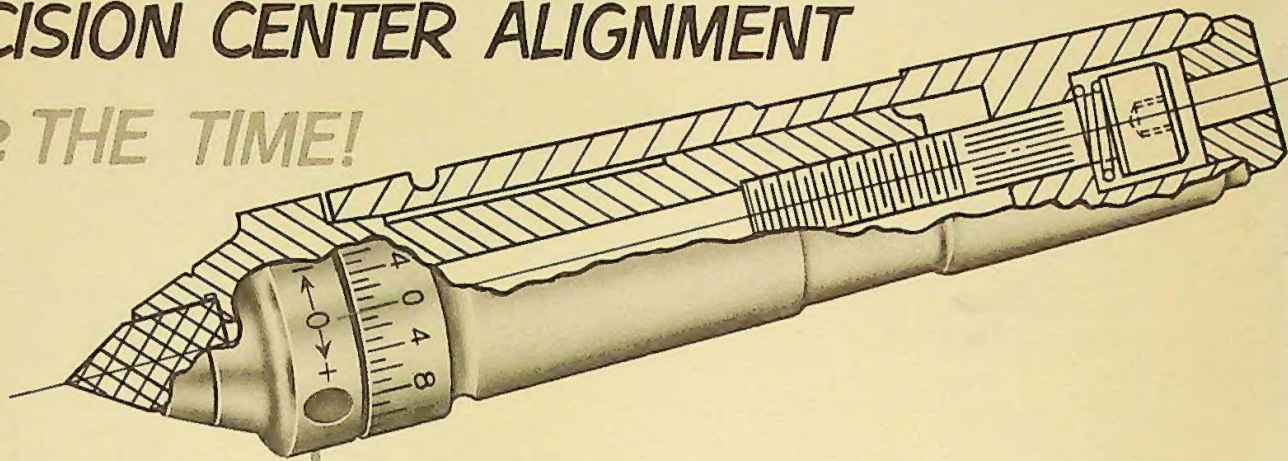
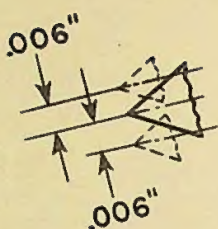


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Machine Tool Show, May 1<sup>st</sup>, 1958  
Philadelphia, Pa.

# Enco's New MICRO-SET ADJUSTABLE CENTER

## PRECISION CENTER ALIGNMENT IN 1/2 THE TIME!



### End hit or miss tailstock shifting on straight or taper turning

The new Enco Micro-Set Adjustable Center is a time, labor and material saving tool that will quickly pay for itself in any shop where an average amount of lathe center work is done.

Designed to permit quick, easy center alignment on old or new machines, the new Micro-Set Adjustable Center eliminates the guesswork and time-consuming tailstock jogging usually required when doing precision straight or taper turning. Because the operator can adjust the Micro-Set Adjustable Center in increments of .001" by direct reading on the sleeve, precise headstock-tailstock alignment can be obtained in half the time usually required.

**HOW IT WORKS:** Tip movement is accomplished by equally eccentrically ground sleeve and arbor which, when assembled, complement each other. This allows lateral movement of the tip of .006" in either direction. The Micro-Set Adjustable Center should be inserted in the tailstock with the "O" on the vertical center line. Plus or minus marks on either side of zero on the arbor indicate direction of movement of the tip.

In using the Micro-Set Adjustable Center, it is only necessary to align the "O" marks on the arbor and sleeve, and after making a trial cut, the work can be measured and the center adjusted to the desired point. **EXAMPLE:** A straight shaft 15" long is being turned. After making a trial cut of 5", a taper of .001" is measured, indicating that a .003" taper would result if the 15" length was turned. Therefore, by moving the tip .003" to the front or rear, as the case may be, the center can be fixed, and a parallel cut may be made on the work.

The Micro-Set Adjustable Center is a valuable time-saver when cutting tapers with the lathe taper attachments — which frequently require tailstock compensation for accurate work. When the operator finds that he is off .001" or .002" after setting the taper attachment, it is only necessary to adjust the Micro-Set Adjustable Center to compensate for whatever small error he finds.

The Micro-Set Adjustable Center is a ruggedly built unit. The sleeve and arbor are held in contact by a shake proof screw and spring, which keep contact between a holding and releasing taper in both the sleeve and arbor that are ground and lapped to each other. Rotary movement is thus controlled to a metal-to-metal contact, allowing full radial loads.

When grinding of the tip is necessary, merely set the "O" on the arbor opposite the "O" on the sleeve and grind the same as any other center.

- ★ Eliminates tailstock jogging when doing precision work between centers
- ★ Permits accurate work on new or old machines
- ★ Adjustments calibrated for direct reading on diameter of work
- ★ Positive adjustments in increments of .001"
- ★ Provides micrometer control when used with taper attachment
- ★ Replaceable carbide tip
- ★ Available in #2, #3, #4 Morse Taper sizes

# Enco

## MANUFACTURING COMPANY

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Chicago 39, Illinois

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